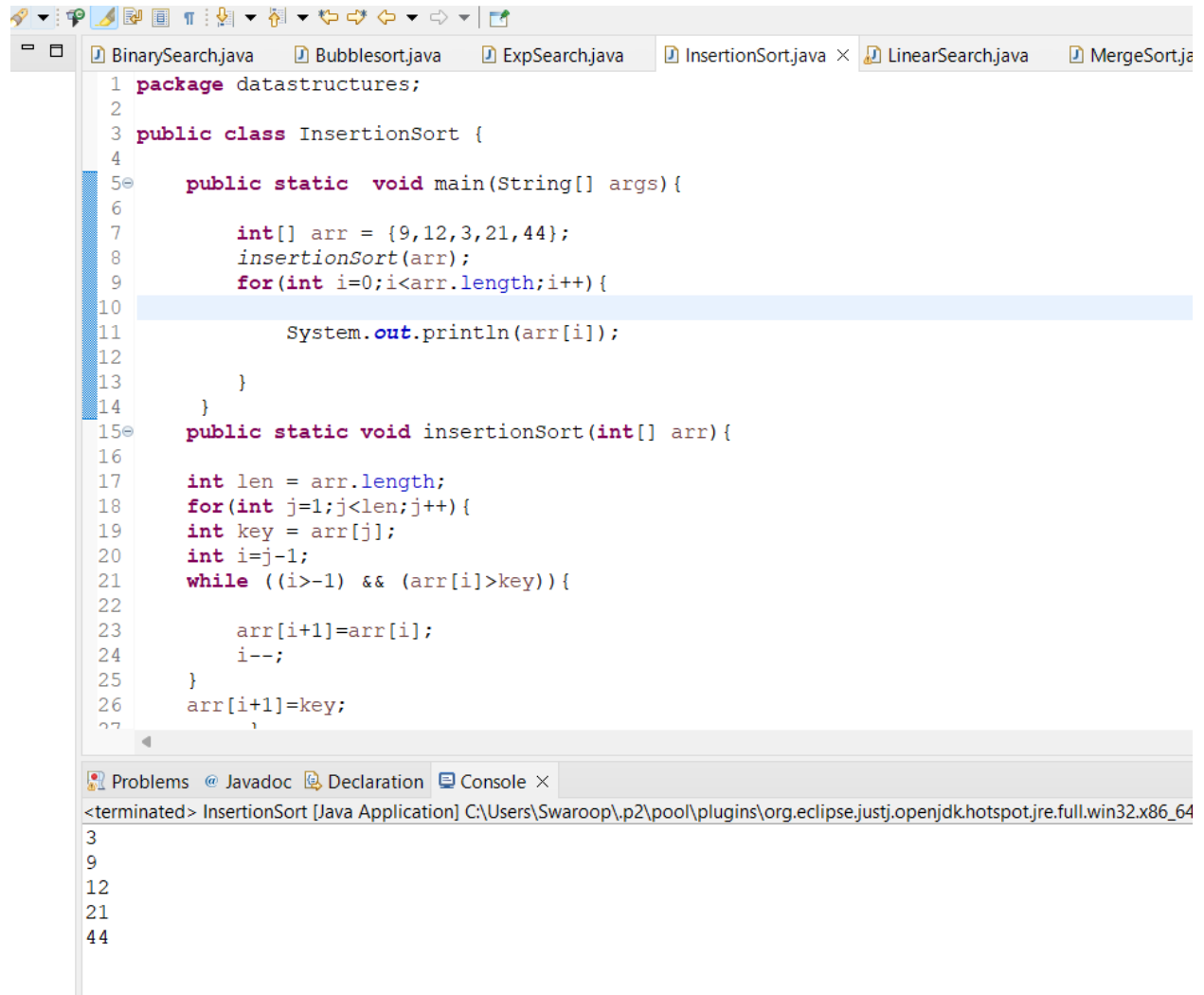


### Problem Statement-3

```
package datastructures;
public class InsertionSort {
    public static void main(String[] args){
        int[] arr = {9,12,3,21,44};
        insertionSort(arr);
        for(int i=0;i<arr.length;i++){
            System.out.println(arr[i]);
        }
    }
    public static void insertionSort(int[] arr){
        int len = arr.length;
        for(int j=1;j<len;j++){
            int key = arr[j];
            int i=j-1;
            while ((i>-1) && (arr[i]>key)){
                arr[i+1]=arr[i];
                i--;
            }
            arr[i+1]=key;
        }
    }
}
```



```
1 package datastructures;
2
3 public class InsertionSort {
4
5     public static void main(String[] args){
6
7         int[] arr = {9,12,3,21,44};
8         insertionSort(arr);
9         for(int i=0;i<arr.length;i++){
10
11             System.out.println(arr[i]);
12
13         }
14     }
15     public static void insertionSort(int[] arr){
16
17         int len = arr.length;
18         for(int j=1;j<len;j++){
19             int key = arr[j];
20             int i=j-1;
21             while ((i>-1) && (arr[i]>key)){
22
23                 arr[i+1]=arr[i];
24                 i--;
25             }
26             arr[i+1]=key;
27         }
28     }
29 }
```

<terminated> InsertionSort [Java Application] C:\Users\Swaroop\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64

3  
9  
12  
21  
44